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## ABSTRACT

A device for transmitting digital optical signals between two units traveling relative  
5 to each other comprises a controller located on a transmitter side for controlling  
an issued data rate or package size of the digital signals, so that an optimum  
transmission is achieved by an adaptation to the transmission characteristics of a  
transmission path. An optional evaluation means located on a receiver side  
restores original signals so that a conversion remains concealed, but a  
10 substantially more reliable transmission is achieved.